

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Tomoko OHTSUKI

Application No.: 10/070,684

Filed: September 12, 2002

Docket No.: 112162

For: LASER DEVICE AND EXPOSURE METHOD

SUPPLEMENTAL PRELIMINARY AMENDMENTDirector of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 9, lines 11-20:

B' In a second laser device of the present invention, a lithium tetraborate ($\text{Li}_2\text{B}_4\text{O}_7$) crystal (i.e., an LB4 crystal) is used for at least one of a plurality of nonlinear optical crystals in the wavelength conversion section. The LB4 crystal is used, particularly for a portion which generates an eighth-order harmonic wave as ultraviolet light from a fundamental wave and a seventh-order harmonic wave thereof according to sum frequency generation. Thereby, high conversion efficiency can be obtained, and the laser device is imparted with anti-ultraviolet light durability.

Page 9, lines 21-27 and Page 10, lines 1-5, delete current paragraph and insert therefor:

In a third laser device of the present invention, a $\text{K}_2\text{Al}_2\text{B}_4\text{O}_7$ crystal (i.e., a KAB crystal) is used for at least one of the plurality of nonlinear optical crystals in the wavelength conversion section. The LB4 crystal is used, particularly for a portion which generates an

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